

Title (en)

Heavy duty modular conveyor belt and sprocket with unique tracking.

Title (de)

Modulares Hochleistungs-Förderband und Zahnrad mit besonderer Spurführung.

Title (fr)

Courroie de transport modulaire à grand rendement et roue dentée avec alignement unique.

Publication

EP 0380203 A1 19900801 (EN)

Application

EP 90300141 A 19900105

Priority

US 30245289 A 19890126

Abstract (en)

A sprocket (16) and a module (8A-8F) for forming a heavy duty, smooth top, straight running conveyor belt which is easy to clean and which uses a center transverse tooth member (34A, 34B) to receive a driving force from an intermeshed sprocket (16) is disclosed. Each of the modules (8A-8F) is suitable for being pivotally connected with a multiplicity of similar modules by pivot rods (10A-10E) to construct a conveyor belt. Each of the modules (8A-8F) includes first and second pluralities of link ends (14A-14C) which are aligned in the module (8A) to form first and second pivot axes. Each of the link (14A-14C) ends have a topmost portion (26A, 26B) which has a width which is just less than the space between two adjacent link ends on the same module (22A), such that when intermeshed with link ends of another module (22B) a continuous, flush, smooth top surface is provided. The pluralities of link ends of each of the modules are joined by an integrally molded smooth top connecting structure which includes a tooth member (34A, 34B) extending downward and parallel to the pivot axis.

IPC 1-7

B65G 17/08; **B65G 23/06**

IPC 8 full level

B65G 17/08 (2006.01); **B65G 17/38** (2006.01); **B65G 17/40** (2006.01); **B65G 23/06** (2006.01)

CPC (source: EP US)

B65G 17/08 (2013.01 - EP US); **B65G 23/06** (2013.01 - EP US); **B65G 2201/02** (2013.01 - EP US); **B65G 2207/30** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

US 4925016 A 19900515; CA 1302340 C 19920602; DE 69004444 D1 19931216; DE 69004444 T2 19940414; EP 0380203 A1 19900801; EP 0380203 B1 19931110; JP 2711407 B2 19980210; JP H02209306 A 19900820

DOCDB simple family (application)

US 30245289 A 19890126; CA 600743 A 19890525; DE 69004444 T 19900105; EP 90300141 A 19900105; JP 19380389 A 19890726